## North Coast Watershed Assessment Program

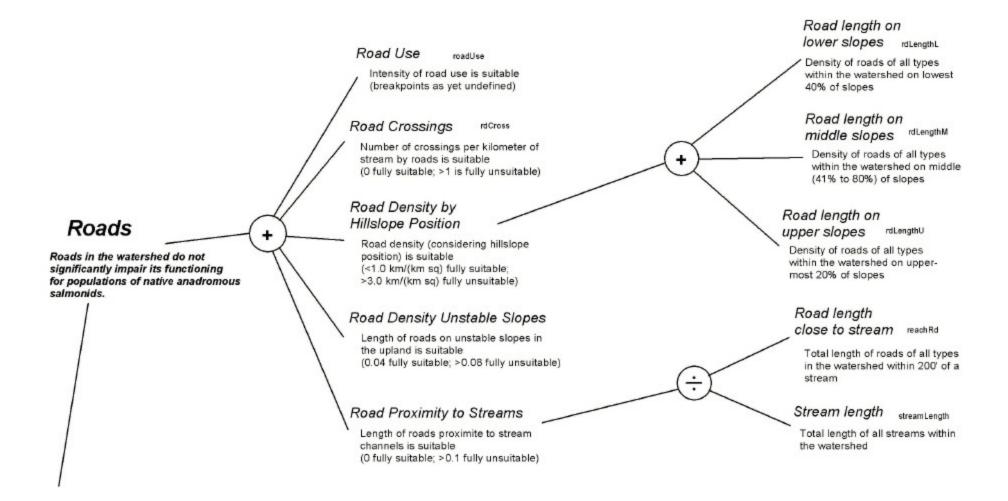
# DRAFT

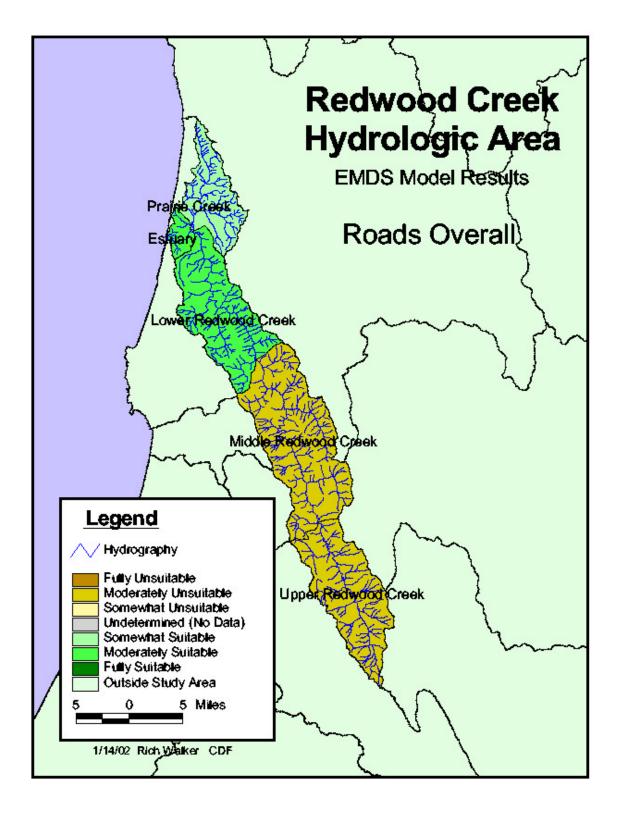
## Redwood Creek Watershed Synthesis Report

The mission of the North Coast Watershed Assessment Program is to conserve and improve California's north coast anadromous salmonid populations by conducting, in cooperation with public and private landowners, systematic multi-scale assessments of watershed conditions to determine factors affecting salmonid production and recommend measures for watershed improvements.

Public Review Draft

## Roads Dependency Network





### **ROADS OVERALL** -

### Proposition:

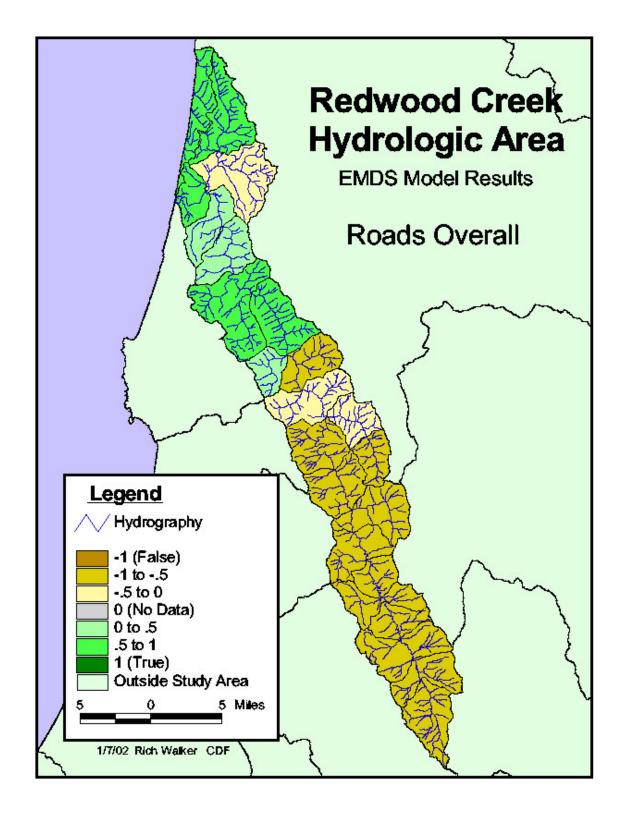
Roads in the Planning Watershed do not significantly impair its functioning for sustaining healthy populations of native anadromous salmonids

Evaluated by the following:

Combines all road factors through an "AND" node to provide a comprehensive road impact score.

Road impacts are evaluated using USGS 1:24k road and stream data.

NOTE: Truth values at the highest levels represent the combined scores from lower level networks and thus are not calculated using a dependency curve.



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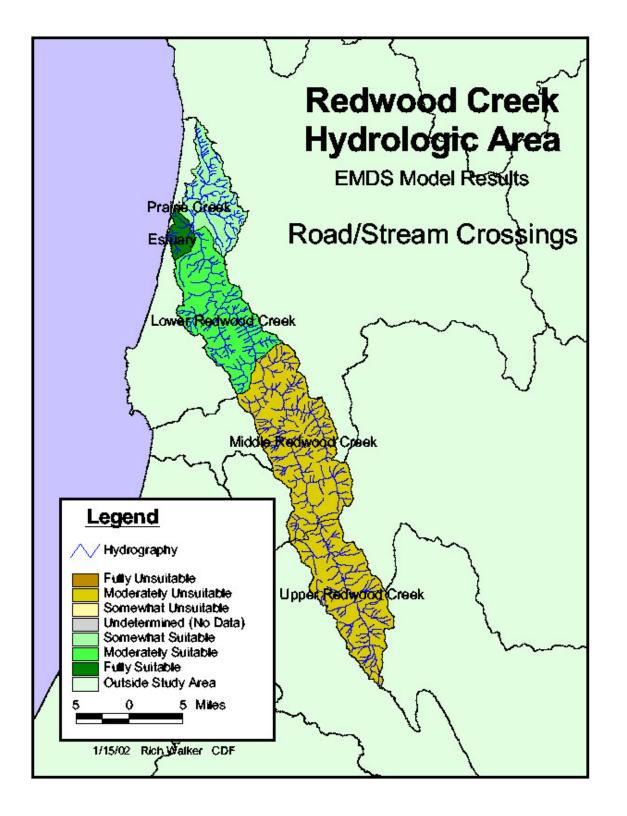
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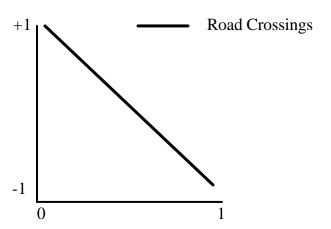
## **ROAD and STREAM CROSSINGS -**

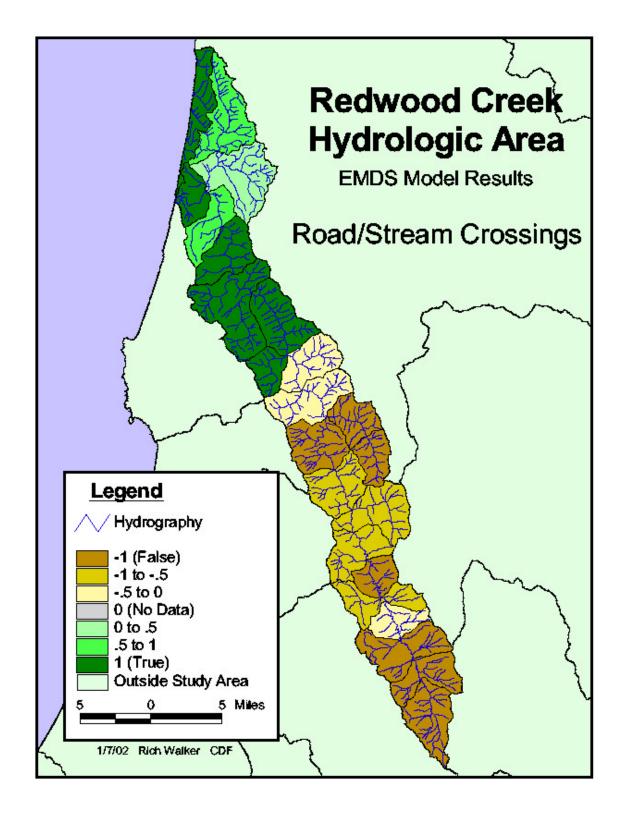
### Proposition:

Number of road crossing of streams in the Planning Watershed do not significantly impair its functioning for sustaining healthy populations of native anadromous salmonids

Evaluated by the number of crossings per kilometer of stream using USGS 1:24k road and stream data.

Break Points: 0 low, 1 high Units: # of crossings per km





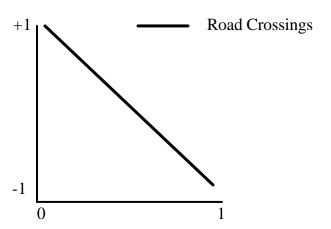
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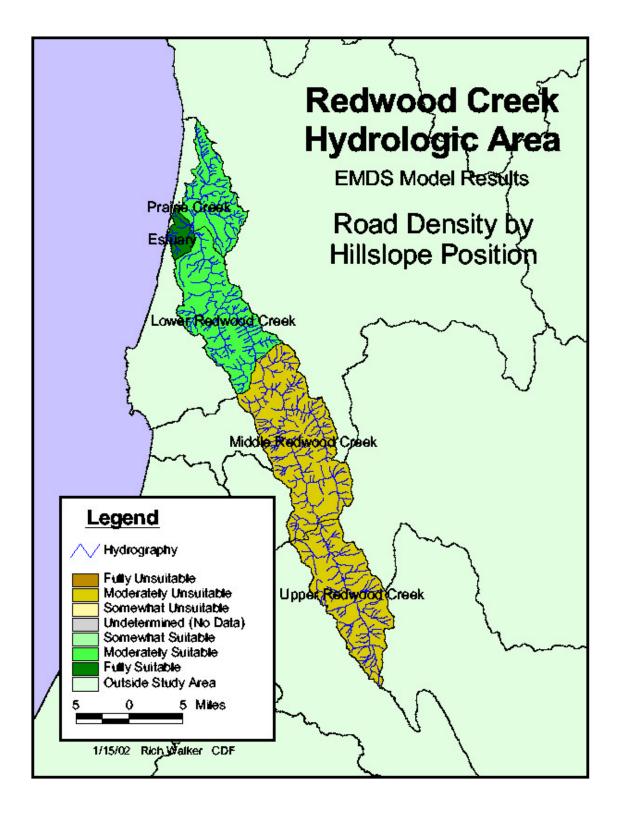
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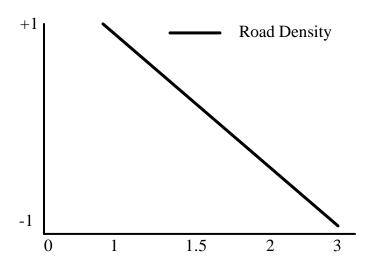
## ROAD DENSITY BY HILLSLOPE POSITION

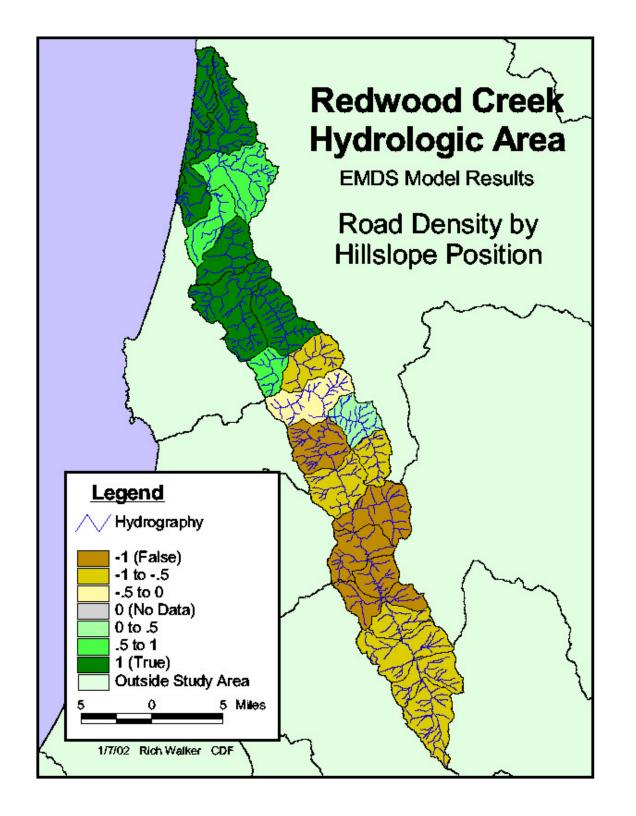
### Proposition:

Road densities by hillslope position Planning Watershed do not significantly impair its functioning for sustaining healthy populations of native anadromous salmonids

Weighted by 3 classes of hillslope positions. Evaluated using USGS 10m DEMs,1:24k road and stream data.

Break Points: 1 low, 3 high Units: km/km2.





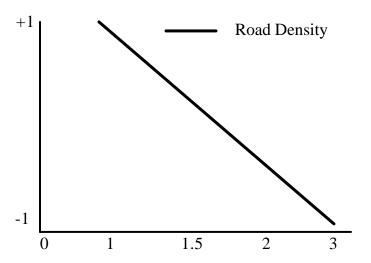
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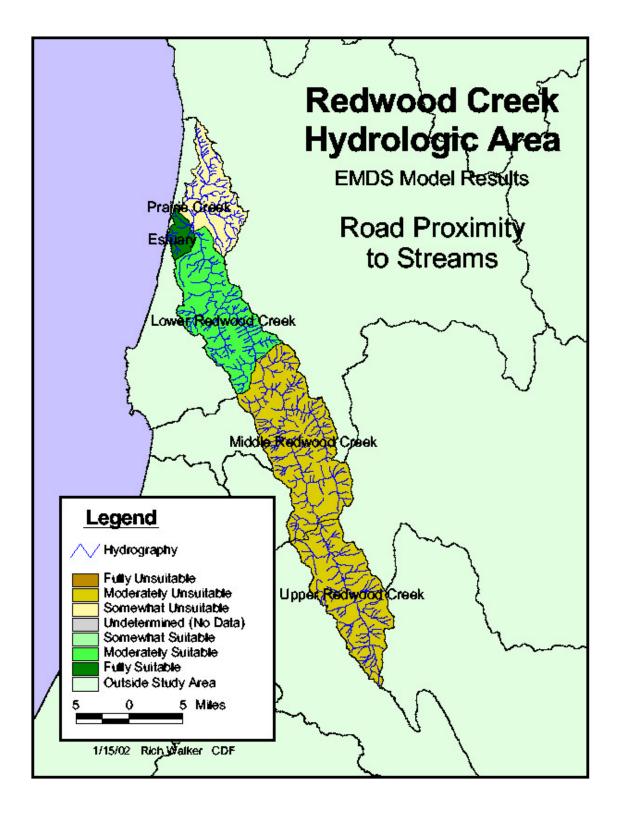
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## ROAD PROXIMITY TO STREAMS-

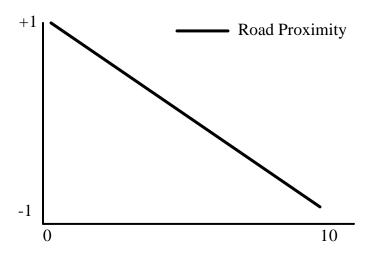
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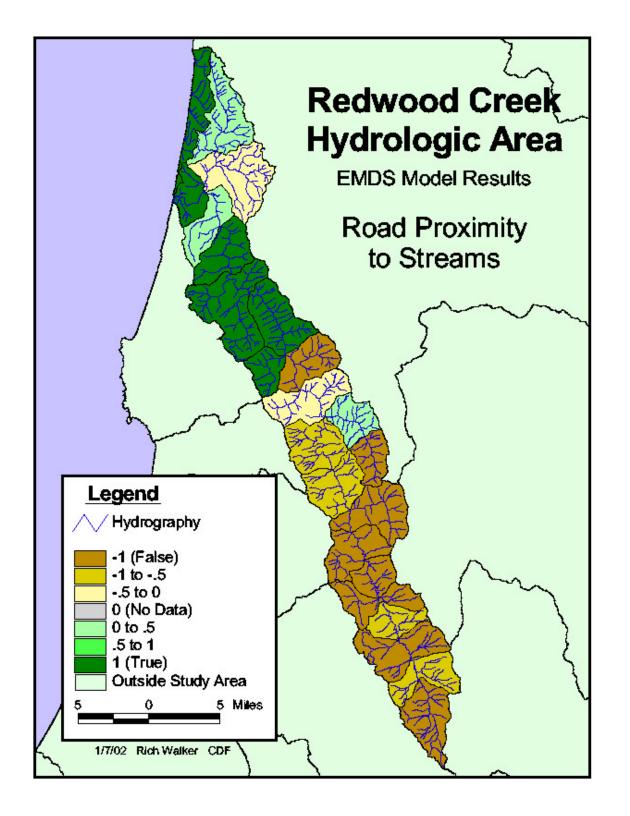
Roads proximate to streams in the Planning Watershed do not significantly impair its functioning for sustaining healthy populations of native anadromous salmonids

Uses USGS 1:24k road and stream data. Evaluates percent of stream length, in a planning watershed that has a road within 200 ft.

Break Points: 0% low, 10% high

Units: km/km (%)





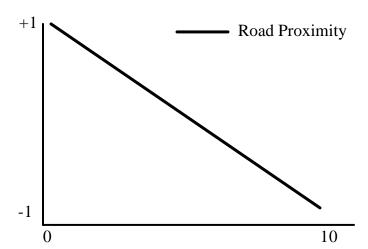
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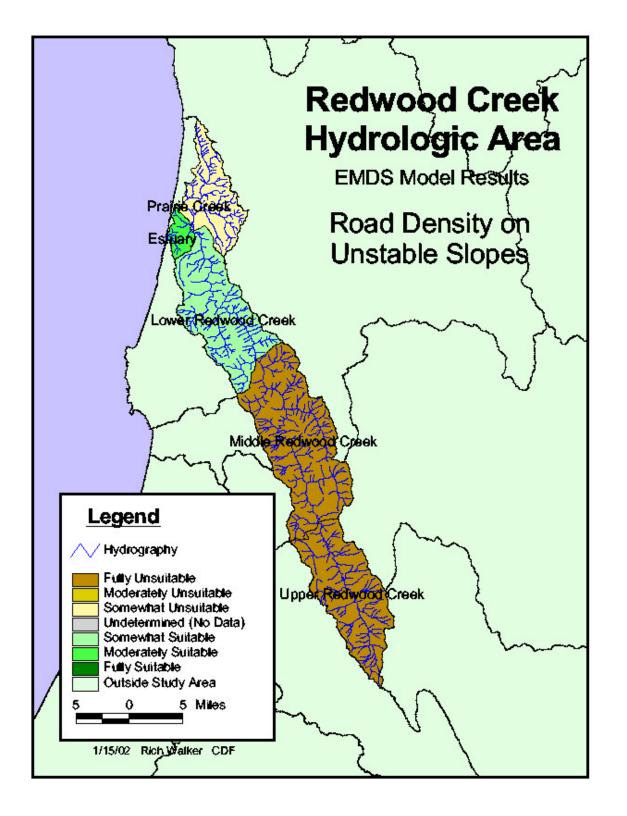
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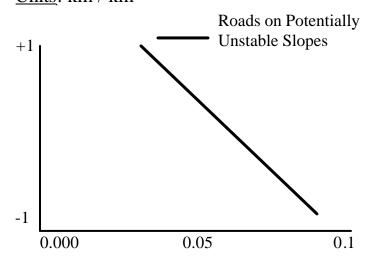
## ROADS on POTENTIALLY UNSTABLE SLOPES -

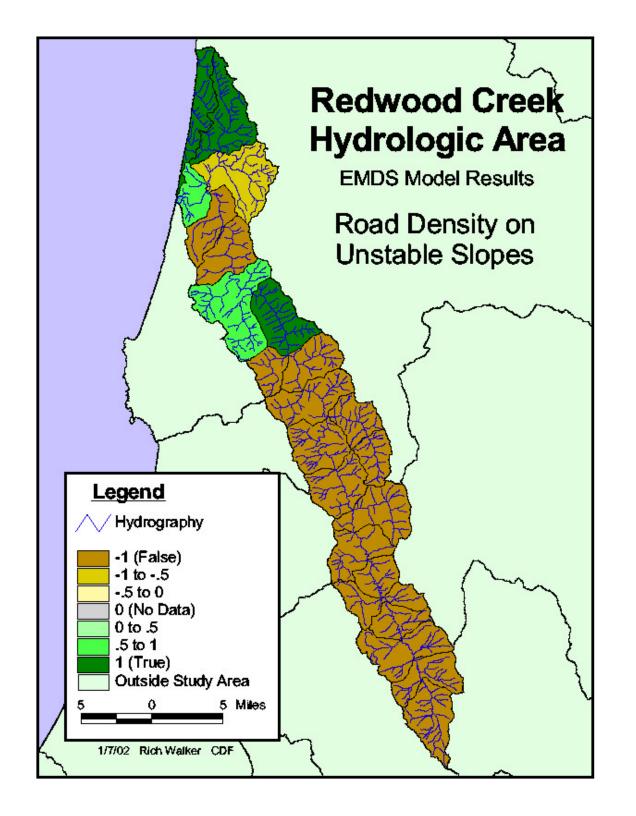
### Proposition:

Roads on potentially unstable slopes in the Planning Watershed do not significantly impair its functioning for sustaining healthy populations of native anadromous salmonids

Assessed using USGS 1:24k road data and SHALSTAB classes, where log q/T values are <= -2.8. Evaluates the density of roads crossing potentially unstable slopes.

Break Points: 0.0437 low, 0.0765 high Units: km / km<sup>2</sup>





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